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(71) **Applicant and**

(72) **Inventor : TSUJI, Katsumi[JP/JP] ; 31-24, Soshigaya 4-chome, Setagaya-ku,
Tokyo 157-0072 JAPAN**

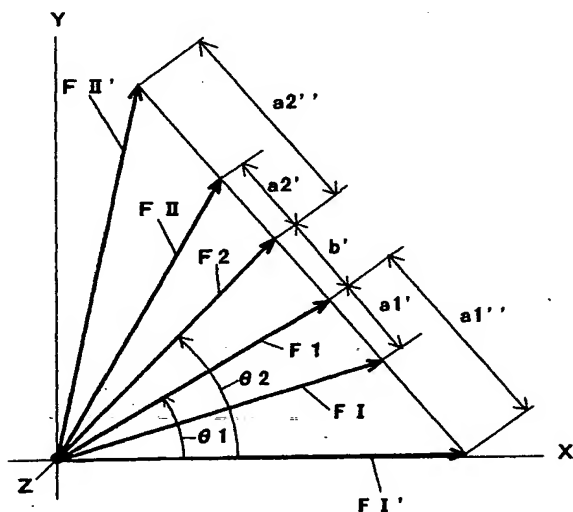
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(54) **Title : DYNAMIC UNBALANCE CALCULATING METHOD AND DYNAMIC
BALANCING MACHINE**



(57) **Abstract :** The magnitudes and angular positions of dynamic unbalance in rotor are determined by the calculating method of this invention from the original vibration vectors.

The original vibration vectors (magnitude and angular position) obtained by measurements using a vibration sensor at bearings supporting the rotor has its specific unbalance calculated from the dynamic unbalance vectors (magnitude, angular position) in the rotor obtained by the vector calculation method on the basis of the ratios of the distances between the bearings to the distance between the two correction planes chosen arbitrarily in the rotor.